

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	48	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and (Pt or platinum) and (Al or aluminide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:26
L3	47	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and ((Pt or platinum) near5 (Al or aluminide))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:04
L4	17	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and ((Pt or platinum) near5 (Al or aluminide)) and pores	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:46
L5	1	("20030059633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 19:35
L6	45	(thermal near barrier) and (bond near coat\$3) and ((zirconia or "ZrO. sub.2")near hafnia or Hf or "HfO. sub.2" or hafnium) and stabiliz\$3 and ("La.sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 11:11
L7	2	(("6440575") or ("6284323")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 15:08

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L8	8	(("2004175597") or ("2004038085") or ("2003224200") or ("6258467") or ("6319614") or ("6387526") or ("2002028344") or ("6387539") or ("2002061416") or ("6835465") or ("2002172837") or ("6930066") or ("2003108768") or ("6946208") or ("2003211354") or ("6821641") or ("2003077477") or ("2004175597") or ("2004038085")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 11:43
L9	35	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") with ("HfO.sub.2" or hafnia or hafnium) and stabiliz\$3 and ("La. sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and (Pt or platinum) and (Al or aluminide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:09
L10	26	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") with ("HfO.sub.2" or hafnia or hafnium) and stabiliz\$3 and ("La. sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and (Pt or platinum) and (Al or aluminide) and (pore or porosity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 14:24
L11	10	("Zro.sub.2" with "hfo.sub.2" with (solid near solution)) and (thermal near barrier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 14:26
L12	73	(thermal near barrier) and bond\$3 and (columnar and (stabiliz\$5 with ("zrO.sub.2" or zirconia or (zirconium near oxide)))) and ("La. sub.2O.sub.3" or (lanthana or (lanthanum near oxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 15:12

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L13	10	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") with ("HfO.sub.2" or hafnia or hafnium) and stabiliz\$3 and ("La. sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$ and (Pt or platinum) and (Al or aluminide) and (porosity with conductivity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:28
L14	16	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") with stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and ((porosity or pore) with ("EB-PVD" or "APS"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:32
L15	2	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") with stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and ((porosity or pore) with "EB-PVD")	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:37
L16	3	(thermal near barrier) and (zirconia or "ZrO.sub.2") with stabiliz\$3 and ("La.sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and ((porosity or pore or porous) with "EB-PVD")	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:57
L17	9	(thermal near barrier) and (zirconia or "ZrO.sub.2") with stabiliz\$3 and columnar and ((porosity or pore or porous) with "EB-PVD")	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:41
L18	102	(thermal near barrier) and (zirconia or "ZrO.sub.2") with stabiliz\$3 and columnar and ((porosity or pore or porous) same conductivity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:42
L19	59	(thermal near barrier) and ((zirconia or "ZrO.sub.2") with stabiliz\$3) and ("La.sub.2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (porosity or pore or porous)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:58

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L20	56	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 20.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or yttria)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:30
L21	69	(thermal near barrier) and (zirconia or "ZrO.sub.2") and stabiliz\$3 and ("La.sub.20.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or yttria)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 19:40
L22	1	("6586115").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 18:06
L23	20	("4112137"   "4588655"   "4742030"   "4774150"   "4985379"   "4996117"   "5296274"   "5418003"   "5474809"   "5512382"   "5562998"   "5773078"   "5792521"   "5834070"   "5981088"   "6025078"   "6044830"   "6190124"   "6312832"   "6352788").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:06
L24	1	I23 and (lanthana or "la.sub.20. sub.3" or (lanthanum near oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:33
L25	1887	(416/241B,241R).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 18:34
L26	31	I25 and I21	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:58
L27	1	("20030059633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 19:23
L29	4	("2003/0059633").URPN.	USPAT	OR	ON	2006/04/20 19:35
L30	442	(thermal near barrier) and (zirconia or "ZrO.sub.2") and stabiliz\$3 and columnar and (Y or yttria)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 19:41
L31	132	I30 and I25	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 19:44
L32	94	I30 and I25 and (thermal near conductivity)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 19:46
L33	37	I30 and I25 and (thermal near conductivity) and (La or lanthana or "La.sub.20.sub.3")	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 19:47

## EAST Search History

S1	56	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 11:04
S2	51	(thermal near barrier) and (bond near coat\$3) and (zirconia or "ZrO. sub.2") and stabiliz\$3 and ("La.sub. 2O.sub.2" or lanthana or (lanthanum near oxide)) and columnar and (Y or Er or Gd or Yb or Ce or Nd or Pr or Sc or yttria or erbia or gadolinia or gadilinium or ytterbium or ytterbia) and \$CrAl\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 09:01